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Transplanting Trees

*U.S. Dept. Agriculture
Grounds —*

*April and May
1931 —*

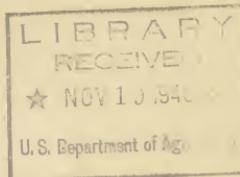
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BEAUTIFYING THE GROUNDS OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE

A photographic record of stages in the transplanting
of certain memorial, and the larger trees of a group
of forty-two moved from scattered sites in the Mall
to new locations about the buildings of the United
States Department of Agriculture.

Transplanting contract executed by Adolphus Gude,
Washington, D. C., between the dates of April 10
and May 5, 1931.

Photographs by Henry Noll, directed by F. L. Goll,
Bureau of Plant Industry.



Rusk Memorial Willow Oak

Tilted back preparatory to placing the
platform under the root ball.





Rusk Memorial Willow Oak

- Out of its original hole ready for
rolling to its new location.





Rusk Memorial Willow Oak

Slowly but surely moved along on
wooden rollers.



Rusk Memorial Willow Oak

Ready to be placed and settle down in
its prepared site opposite the East Wing
U. S. D. A.



War Memorial White Oak

Thoroughly and carefully burlapped in
preparation for transportation.





War Memorial White Oak
Tilted back for its platform.



War Memorial White Oak

Preparations prior to rolling it out
of hole on to the dray.





War Memorial White Oak

Slowly coming out of its hole.





War Memorial White Oak

Transportation is simplified by this
sturdy trailer.

the first time
in the history of
the world.



War Memorial White Oak

Arrival at new site in front of
West Wing, U. S. D. A.



War Memorial White Oak

Gracefully and easily sliding into
new position.



Japanese Maple

Shoving the trailer down into the hole
lessened the lifting operations.



Japanese Maple

Roots spreading beyond the earth ball limit were protected by extra burlap wrapping.



Styramax - Japanese Snowball

Platform in place and roots burlapped
ready for the lift out of hole.



Stymax - Japanese Snowball

A Heavy load to lift.



Sty~~m~~ax - Japanese Snowball

Successfully lifted out of its hole.



Stymax - Japanese Snowball

This improvised "dolly" truck was soon discarded for sturdier equipment.



Beech

Note the bending of the heavy platform
due to the excessive weight of the
tree.



Beech

Squaring the load on the trailer.



Beech

Slow but steady progress up the grade.



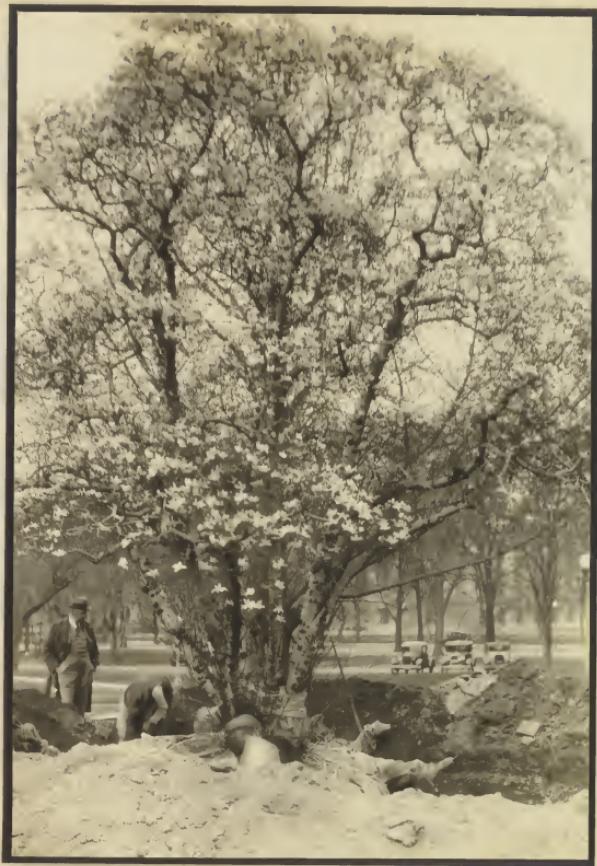
Magnolia

Ready for the movers.



Magnolia

Close-up showing careful preparation
and protection of roots.



Magnolia

Magnolias from the terraced garden presented a problem in keeping the fine rich soil ball intact.

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Magnolia

Note the planking necessary to
keep the soft earth ball together.



Even the extra planking almost failed to keep the soil ball solid.



Magnolia

Several of the magnolias were in
full bloom when moved.



Magnolia

Sliding a tree on to its platform
instead of the usual tilting method.



Magnolia

Rolling the tree up on the trailer.



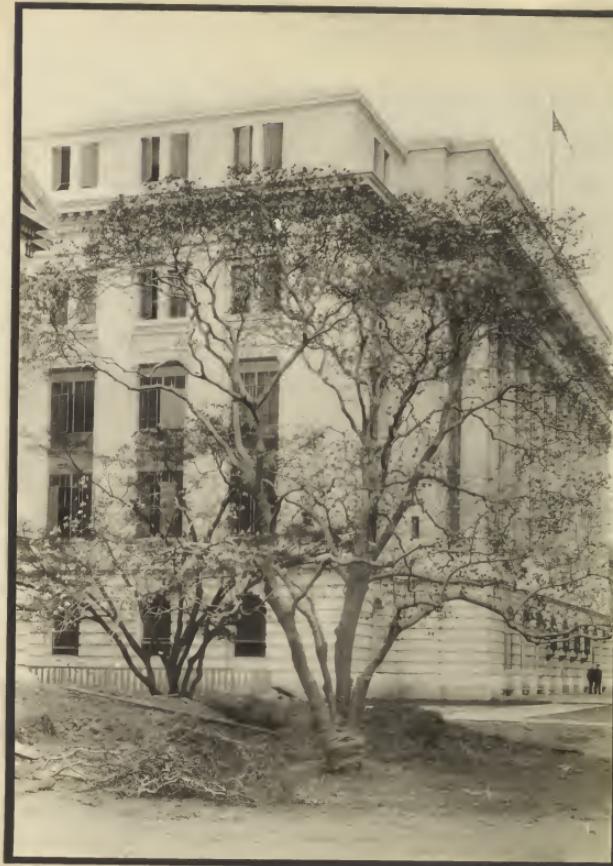
Magnolia

Climbing the grade en route to
its new location.



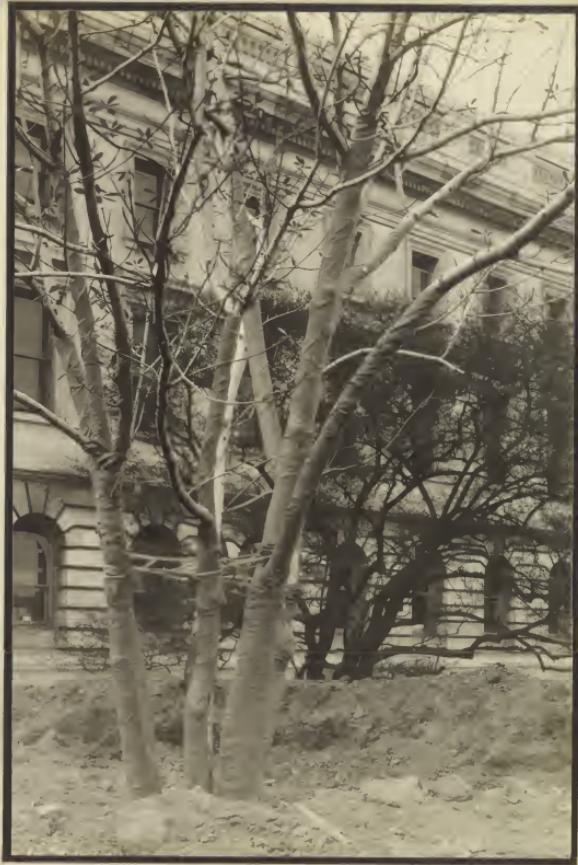
Magnolia

Passing in review in front of the
U. S. D. A.



Magnolia

Successfully relocated.



Magnolia

The magnolias and later, other trees, received extra burlap wrapping as protection against too rapid drying.





Gingko - Maidenhair Tree

The largest of six gingko trees moved.
Incidentally the largest of all the
transplanted trees.



Gingko - Maidenhair Tree

Tilting of this specimen was restricted
by its wide spreading brittle branches.



Gingko - Maidenhair Tree

Its root system also has a wide spread.



Gingko - Maidenhair Tree

Many a strong steel cable snapped getting
this big one started on its way.



Gingko - Maidenhair Tree

No burlap about this massive soil ball.
The projecting roots were only partially
covered.



Gingko- Maidenhair Tree

Half a roadway was dug up, and all the road blocked when this one moved.



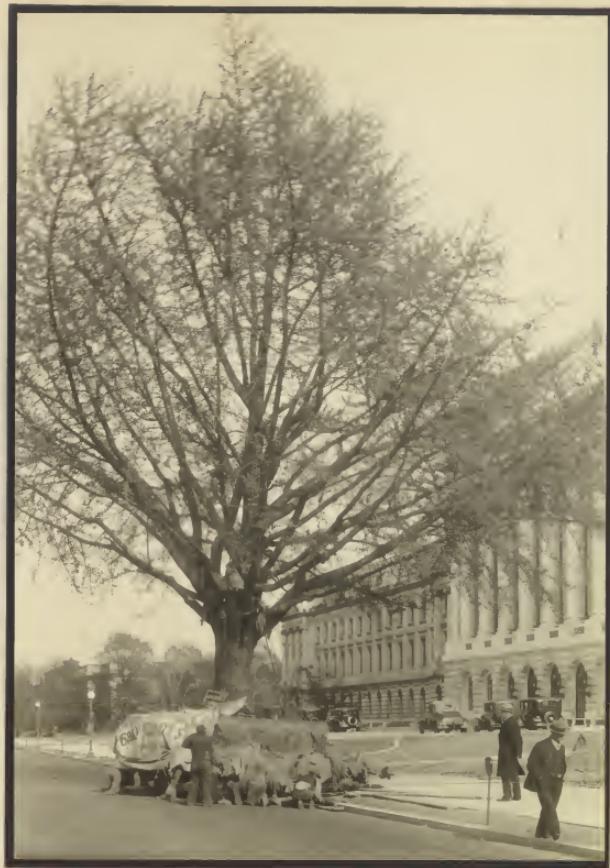
Gingko - Maidenhair Tree

Enroute to its new site.



Gingko - Maidenhair Tree

Progress down grade had to be held in check.



Gingko - Maidenhair Tree

Rolling up over the curbing. .





Gingko - Maidenhair Tree

Others of the Gingkos were burlapped.



Gingko - Maidenhair Tree

Note how the ball is anchored to the platform.





Gingko - Maidenhair Tree
Branches of nearby trees often were
troublesome.

17. *Amphibolite*



Gingko - Maidenhair Tree

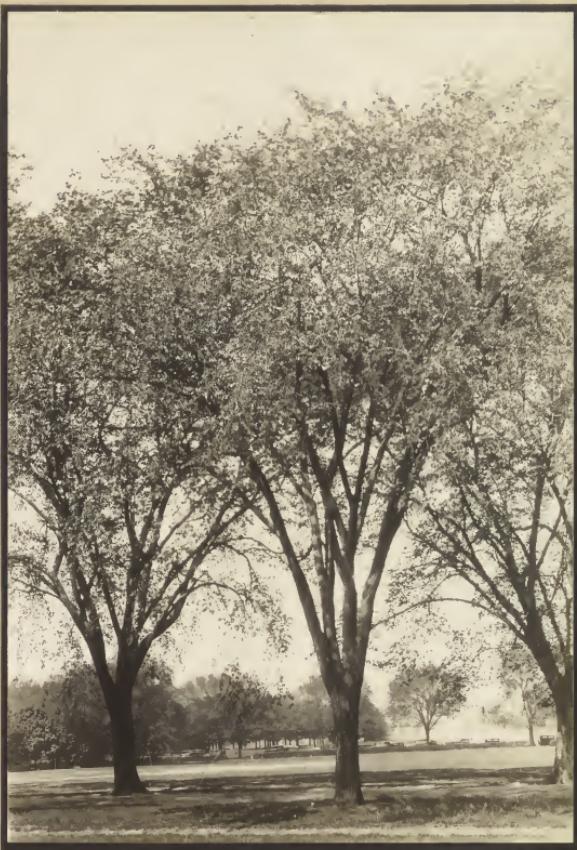
Up-grade; slow but sure.





Elm

One elm was originally located south
of the Lincoln Memorial.



Elm

A second elm was brought from its site slightly south of west of the Washington Monument.





Elm

A new form of apparatus was used
to move the Elms.





Elm

With its wheels down in the trench
the rig is ready to have the protected
tree trunk tilted down on its carrier.



Elm

An elm securely chained to the
special rig.





Elm

Not completely out of its hole preparatory
to attaching other section of the trans-
portation rig.





Elm

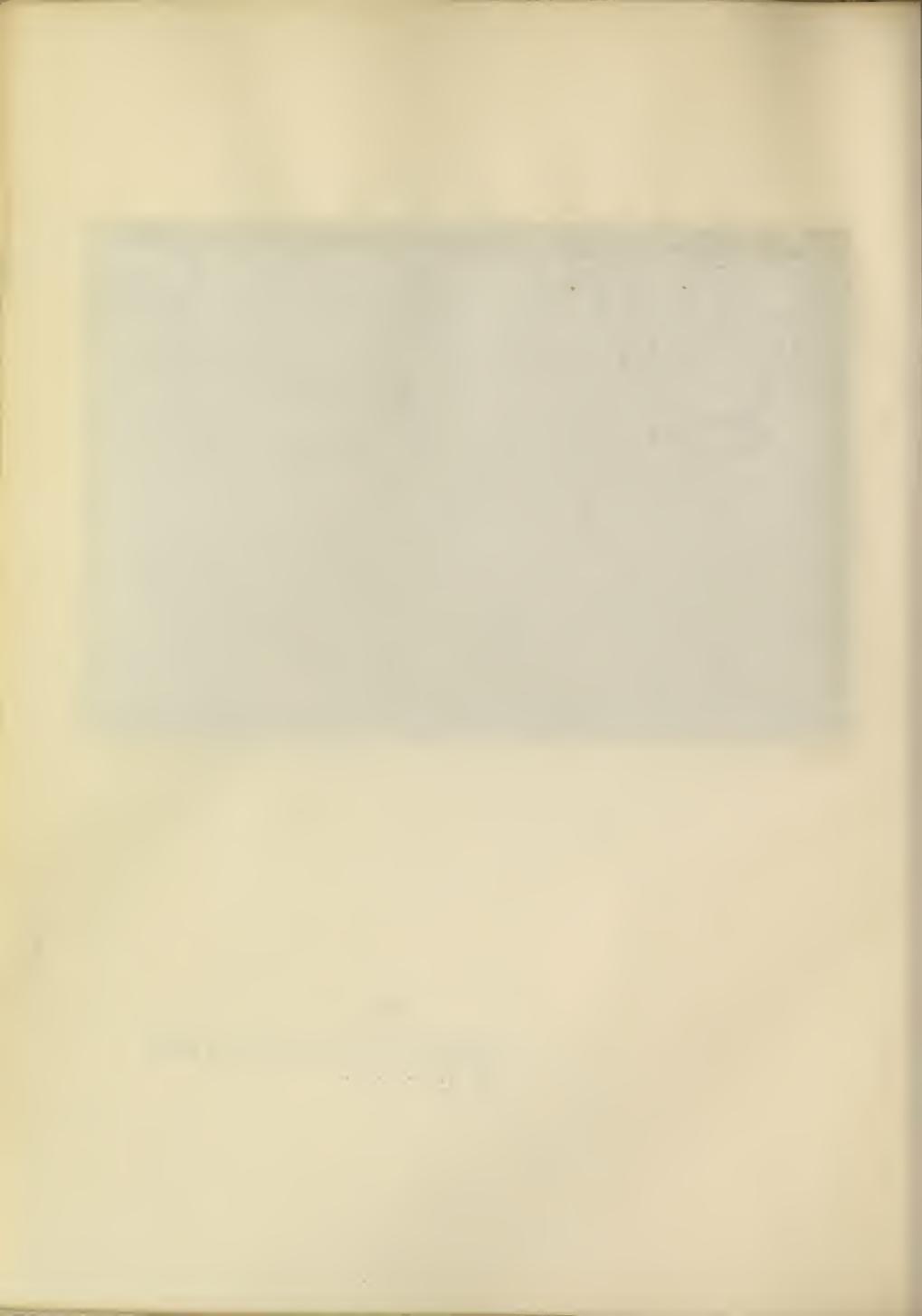
Preparing to attach remaining section of rig. The Elms had remarkably shallow root systems.





Elm

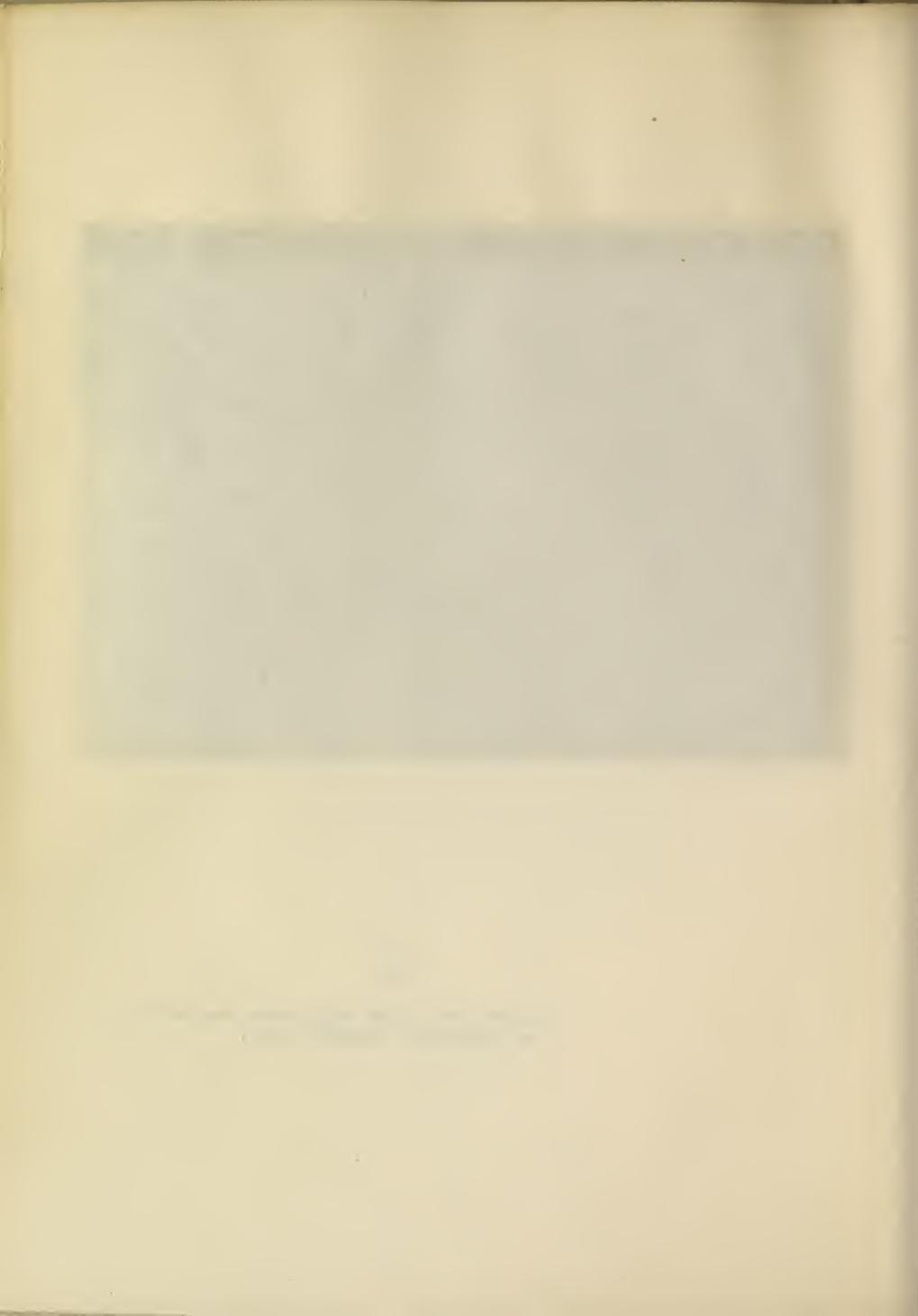
Starting on its long trip to grace
the U. S. D. A.





Elm

A long hard climb right over the top of
the Washington Monument hill.





Elm

Strangely enough, the powerful 5-ton tractor often entered the hole into which the tree was to be planted.





Elm

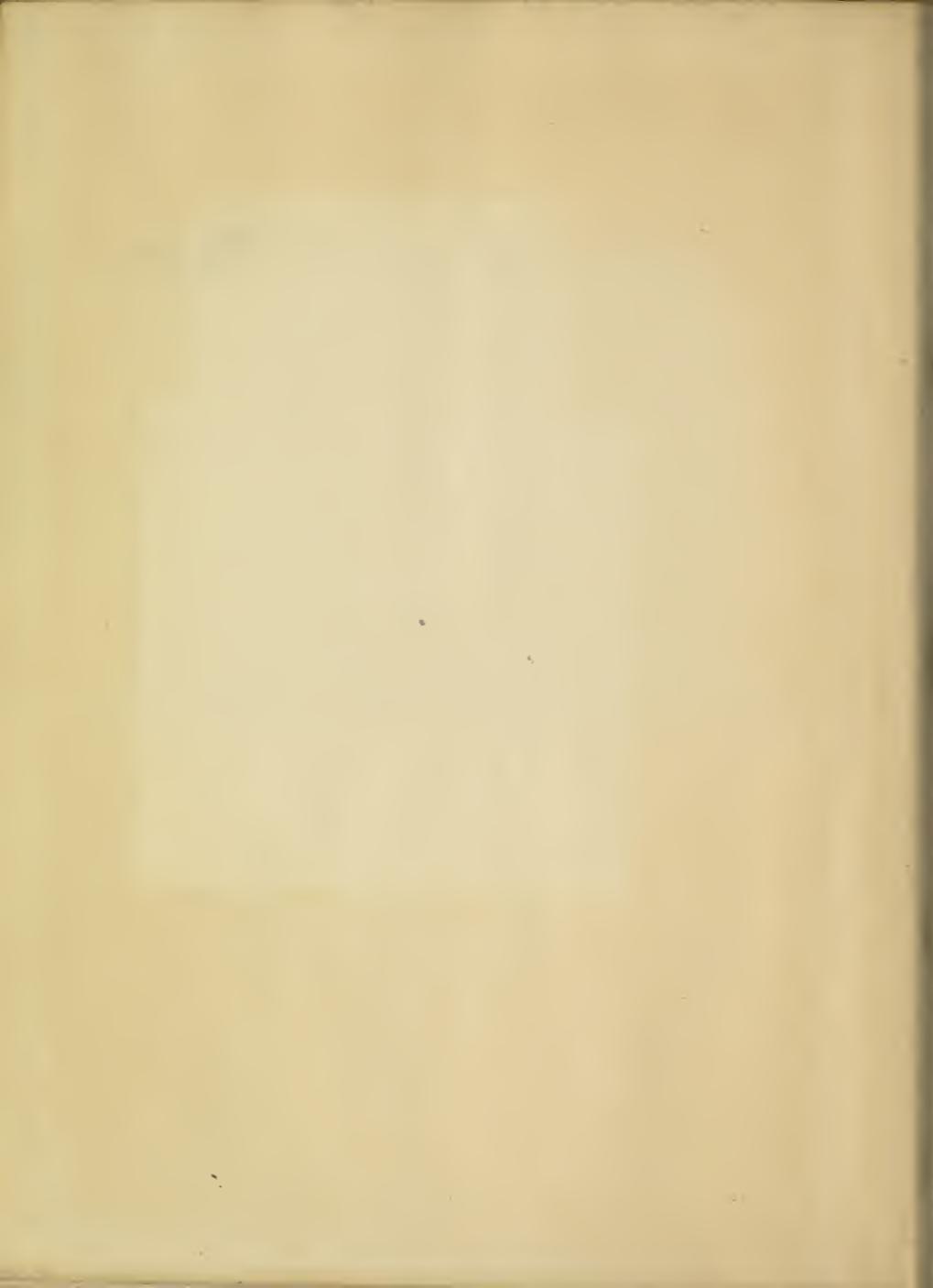
The elm at its new location ready to have the rig sections separated and removed.





Elm

Mr. Adolphe Gude observing the final operations of setting the last of the transplanted big trees.
Note: The Elm from the Washington Monument Grounds now stands to the east, and that from near the Lincoln Memorial now stands to the west of the main entrance to the U. S. D. A.



GPO 8-2432

